<110> Enobia Pharma Inc.
        Guy Boileau
        Adriana Karaoglanovic Carmona
        Marcelo Campos
        Maria Aparecida Juliano
        Luiz Juliano

<120>   PHEX SUBSTRATES AND METHODS USING SAME
<130>   12987.54

<140>   PCT/CA2004/000453
<141>   25/03/2004

<160>   32

<170>   PatentIn version 3.2

<210>   1
<211>   7
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic Construct

<400>   1

Ala Trp Leu Asp Ser Gly Val
1   5

<210>   2
<211>   4
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic Construct

<400>   2

Phe Ser Asp Tyr
1

<210>   3
<211>   6
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic Construct

<400>   3

Gly Phe Ser Asp Tyr Lys
1   5

<210>   4
<211>   6

```
<212>  PRT
<213>  Artificial

<220>
<223>  Synthetic Construct


<220>
<221>  misc_feature
<222>  (2)..(5)
<223>  Xaa can be any naturally occurring amino acid except cysteine


<400>  4

Gly Xaa Xaa Xaa Xaa Lys
1               5


<210>  5
<211>  6
<212>  PRT
<213>  Artificial

<220>
<223>  Synthetic Construct


<220>
<221>  MISC_FEATURE
<222>  (2)..(3)
<223>  Xaa can be any naturally occurring amino acid except cysteine,
       aspartate and glutamate

<220>
<221>  MISC_FEATURE
<222>  (5)..(5)
<223>  Xaa can be any naturally occurring amino acid except cysteine

<400>  5

Gly Xaa Xaa Asp Xaa Lys
1               5


<210>  6
<211>  6
<212>  PRT
<213>  Artificial

<220>
<223>  Synthetic Construct


<220>
<221>  MISC_FEATURE
<222>  (2)..(2)
<223>  Xaa can be any naturally occurring amino acid except cysteine,
       aspartate and glutamate

<220>
<221>  MISC_FEATURE
<222>  (3)..(3)
```

<223> Xaa can be any naturally occurring amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid except cysteine, aspartate and glutamate

<400> 6

Gly Xaa Xaa Asp Xaa Lys
1   5

<210> 7
<211> 6
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa can be any naturally occurring amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa can be any naturally occurring amino acid except cysteine, aspartate and glutamate

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid except cysteine, aspartate and glutamate

<400> 7

Gly Xaa Xaa Asp Xaa Lys
1   5

<210> 8
<211> 4
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 8

Asp Arg Arg Leu
1

<210> 9
<211> 4
<212> PRT

<213> Artificial

<220>
<223> Synthetic Construct

<400> 9

Arg His Thr Arg
1

<210> 10
<211> 6
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<220>
<221> misc_feature
<222> (2)..(3)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid

<400> 10

Gly Xaa Xaa Asp Xaa Lys
1   5

<210> 11
<211> 6
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<220>
<221> misc_feature
<222> (2)..(3)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid

<400> 11

Gly Xaa Xaa Glu Xaa Lys
1   5

<210> 12
<211> 6

<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 12

Gly Phe Ser Glu Tyr Lys
1   5

<210> 13
<211> 6
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 13

Gly Phe Ser Asp Tyr Gln
1   5

<210> 14
<211> 9
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 14

Asp His Leu Ser Asp Thr Ser Thr Gln
1   5

<210> 15
<211> 7
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 15

Leu Glu Leu Asp Ser Arg Gln
1   5

<210> 16
<211> 8
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 16

Ala Trp Leu Asp Ser Gly Val Gln
1   5

<210>   17
<211>   14
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic Construct

<400>   17

Arg Arg His Thr Arg Ser Ala Glu Asp Asp Ser Glu Arg Gln
1   5   10

<210>   18
<211>   8
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic Construct

<400>   18

Leu Met Met Asp Phe Arg Gly Gln
1   5

<210>   19
<211>   8
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic Construct

<400>   19

Ser Ala Glu Asp Asn Ser Pro Gln
1   5

<210>   20
<211>   8
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic Construct

<400>   20

Arg Ser Glu Asp Ala Gly Phe Gln
1   5

<210>   21
<211>   8

<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 21

Asn Gly Tyr Asp Val Tyr His Gln
1   5

<210> 22
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 22

Arg Arg His Thr Gln Ser Ala Glu Asp Asp Ser Glu Arg Gln
1   5   10

<210> 23
<211> 8
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 23

Gly Ser Ser Asp Ala Ala Glu Gln
1   5

<210> 24
<211> 8
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 24

Arg Arg Asp Asp Ser Ser Glu Gln
1   5

<210> 25
<211> 8
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 25

Ile Pro Ser Asp Phe Glu Gly Gln
1   5

<210> 26
<211> 9
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 26

Gly Pro Gln Arg Asp Ser Gln Ala Gln
1   5

<210> 27
<211> 8
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 27

Thr His Leu Asp Thr Lys Lys Gln
1   5

<210> 28
<211> 8
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 28

Gly Ser Asn Asp Ile Met Gly Gln
1   5

<210> 29
<211> 8
<212> PRT
<213> Artificial

<220>
<223> Synthetic Construct

<400> 29

Arg Gly Leu Asp Asn Glu Ile Gln
1   5

<210> 30
<211> 8

```
<212>  PRT
<213>  Artificial

<220>
<223>  Synthetic Construct

<400>  30

Asn Glu Met Asp Ser Phe Asn Gln
1               5


<210>  31
<211>  7
<212>  PRT
<213>  Artificial

<220>
<223>  Synthetic Construct

<400>  31

Ser Ser Asp Ser Gly Ser Gln
1               5


<210>  32
<211>  6
<212>  PRT
<213>  Artificial

<220>
<223>  Synthetic Construct

<400>  32

Gly Phe Arg Asp Trp Lys
1               5


2


2
```